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NOTICE OF ALLOWANCE AND FEE(S) DUE

24498

7590

06/02/2010

Robert D. Shedd, Patent Operations THOMSON Licensing LLC P.O. Box 5312 Princeton, NJ 08543-5312

EXAMINER				
AN, SHAWN S				
ART UNIT	PAPER NUMBER			
2621				

DATE MAILED: 06/02/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/529.711	03/29/2005	Jill MacDonald Boyce	PU030225	2040

TITLE OF INVENTION: IMPLICIT WEIGHTING OF REFERENCE PICTURES IN A VIDEO ENCODER

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	09/02/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where m

appropriate. All further indicated unless correct maintenance fee notifica	correspondence including debelow or directed other trions.	ng the Patent, advance onerwise in Block 1, by (rders and notification of a) specifying a new corre	maintenance fees espondence address	will be ; and/or	mailed to the current or (b) indicating a separ	correspondence address as ate "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address) 24498 7590 06/02/2010 Robert D. Shedd, Patent Operations THOMSON Licensing LLC P.O. Box 5312			Fee par	Note: A certificate of mailing can only be used for domestic mailings of th Fee(s) Transmittal. This certificate cannot be used for any other accompanyin papers. Each additional paper, such as an assignment or formal drawing, mushave its own certificate of mailing or transmission.			
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Princeton, NJ 08	3543-5312		Γ				(Depositor's name)
							(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	₹	ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/529,711	03/29/2005	-	Jill MacDonald Boyce			PU030225	2040
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nonprovisional	NO	\$1510	\$300	\$0		\$1810	09/02/2010
EXAM	IINER	ART UNIT	CLASS-SUBCLASS]			
AN, SH	AWN S	2621	375-240160				
"Fee Address" ind PTO/SB/47; Rev 03-0 Number is required.		" Indication form ed. Use of a Customer	(1) the names of up t or agents OR, alternat (2) the name of a sing registered attorney or 2 registered patent att listed, no name will be THE PATENT (print or ty	ively, the firm (having as agent) and the nan orneys or agents. If e printed.	a memb nes of u	er a 2 p to	
recordation as set fort (A) NAME OF ASSI	h in 37 CFR 3.11. Comp GNEE	oletion of this form is NO	T a substitute for filing ar (B) RESIDENCE: (CIT	assignment. Y and STATE OR	COUNT	TRY)	cument has been filed for
Please check the appropr	rate assignee category or	categories (will not be pa	rinted on the patent):	Individual 🖵 C	orporati	ion or other private grou	up entity 🖵 Government
4a. The following fee(s) ☐ Issue Fee	are submitted:	41	 b. Payment of Fee(s): (Ple A check is enclosed. 	ase first reapply a	ny prev	viously paid issue fee s	hown above)
	No small entity discount p	permitted)	Payment by credit card. Form PTO-2038 is attached.				
Advance Order -	# of Copies	<u> </u>	The Director is hereboverpayment, to Dep	y authorized to cha osit Account Numb	rge the	required fee(s), any def (enclose an	iciency, or credit any extra copy of this form).
5. Change in Entity Sta	*	*	_				
**	as SMALL ENTITY state		b. Applicant is no lo				R 1.27(g)(2). e assignee or other party in
interest as shown by the	records of the United Sta	ites Patent and Trademark	COffice.	ше аррпсан, а гед	istered .	attorney or agent, or the	e assignee of other party in
Authorized Signature				Date			
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Robert D. Shedd, Patent Operations		AN, SHAWN S			
THOMSON Licen			ART UNIT	PAPER NUMBER	
P.O. Box 5312 Princeton, NJ 08543-5312		2621			
FINICEION, INJ 00345-3312			DATE MAILED: 06/02/201	0	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 981 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 981 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)				
	10/529,711	BOYCE, JILL MAC	MACDONALD			
Notice of Allowability	Examiner	Art Unit	1			
	SHAWN AN	2621				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.						
1. This communication is responsive to						
2. The allowed claim(s) is/are <u>1-14</u> .						
3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some* c) None of the: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).						
* Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN		a reply complying with the re	quirements			
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.						
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			IOTICE OF			
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.					
(a) ☐ including changes required by the Notice of Draftspers	on's Patent Drawing Review	(PTO-948) attached				
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date						
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date .					
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			∍ back) of			
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			Note the			
 Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO/SB/08),	6. ☐ Interview Su Paper No./N 7. ☐ Examiner's A	Mail Date Amendment/Comment Statement of Reasons for Allo	owance			

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Reasons for Allowance

1. The Examiner acknowledges the BPAI Decision as filed on 2/25/10, and subsequently an updated search/review has been completed.

2. The following is an Examiner's statement of reasons for allowance.

Claims 1-14 are allowed.

Independent claims 1 and 9, and corresponding dependent claims 2-8 and 10-14 are allowed as having incorporated an allowable subject matter of a video encoder comprising the reference picture weighting factor assignor for calculating respective implicit weighting factors for the first and second reference pictures based on respective distances of the image block to the first and second reference pictures.

Note: the Examiner considers the respective distances of the image block to the first and second reference pictures to be temporal distances.

The prior art of record fails to anticipate or make obvious the allowable subject matter as specified in claims 1 and 9.

Any comments considered necessary by Applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

- 3. The prior art made of record is considered pertinent to Applicant's disclosure.
 - A) Boyce et al (7,376,186 B2), Motion estimation with weighting prediction.
- **4.** Any inquiry concerning this communication or earlier communications from the Examiner should be directed to *Shawn An* whose telephone number is 571-272-7324.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Mehrdad Dastouri can be reached on 571-272-7418.

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Art Unit: 2621

5. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

6. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/SHAWN AN/
Primary Examiner, Art Unit 2621
5/27/10